

ABSTRACT

Up to now, there have existed filters having a transfer function for canceling crosstalk components arriving from loudspeakers, at the listener's right/left ear, however, such filters have been incapable of properly reducing the inter-loudspeaker crosstalk components inside the casing of a mobile terminal. Therefore, when input signals are expected to produce stereophonic effects, three-dimensional sound image localization has not been realized in mobile terminals. In a method of acoustic signal reproduction in a mobile terminal with at least two loudspeakers accommodated inside the casing of the terminal, a crosstalk canceling method relating to the present invention comprises Processing Step 1 for reducing spatial crosstalk that is generated with respect to the input signals to the loudspeakers, in a space ranging from the loudspeaker to the listener's ears, and Processing Step 2 for reducing crosstalk that is generated between the loudspeakers inside the casing, with respect to Processing-Step-1-processed signals.